				Pa	ige <u>1</u>		of _	3	
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE Atty. Docket No.: Ap							Applie No.		
. –			TRADEMARK OFFIC				Appl'n No.:		
(,,,,		/	TOOLINATIO OF TO	, <u> </u>	MP1725-US2 A			As yet unknown	
INFORMATION DISCLOSURE STATEMENT					Mehan et al.				
					Filing Date: Group			roup:	
	(Use several sheets if necessary)					th		unknown	
US PATENT DOCUMENTS									
* Exr.	Document					Sub-	Fill	ing date (if	
initial	number	Date	Name		Class	class appro		propriate)	
40	4,018,733	04/1977	Lopez et al		260	27 EV	, I		
\U_{_{1}}	4,083,902	04/1978	Clyde		264	26			
	4,145,332	03/1979	Coxon		260	42.52			
	4,181,755	01/1980	Corke		428	348	\dashv		
	4,332,975	06/1982	Dienes		174	76			
	4,434,320	02/1984	Klein et al.		174	23 R	_		
	4,456,784	06/1984	Klein		174	23 R			
	4,565,944	01/1986	Beurskens et	al	313	318	- 		
	4,622,488	11/1986	Beurskens et		313	318	- -		
N	4,654,473	03/1987	Roux et al.		174	84 R			
		<u> </u>	IGN PATENT DOCU		1/4	04 K			
* Exr.	Document	T T	IGN PATENT DOCU	MEN 12	- 	Sub-	T +-	anslation	
initial	number	Date	Country		Class	class		closed (?)	
79	2 525 811 A1	10/1983	France	· · · · · · · · · · · · · · · · · · ·	1		1	Yes	
V	915,134	10/1946	France		1	/		No	
	1 589 256	02/1970	Germany	····				Yes	
طم	1 958 307	01/1971	Germany					Yes	
U	OTHER DO	UMENTS (Inc	luding Author, Title,	Date, Pe	rtinent Page	s. etc.)	<u>_</u>		
Exr.	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							anslation	
initial	Details of Document							closed (?)	
\bigcirc	Henry R. Lasman, Blowing Agents, Encyclopedia of Polymer Science and Engineering,								
\	Vol. 2 (John Wiley & Sons), pp. 532-565, 1985								
V	December 30, 2002	ional Search Report for International Application No. PCT/US02/24570, dated per 30, 2002							
	Patent Abstracts of Japan, vol. 008, no. 243 (E-277), 8 November 1984 & Japanese								
[Publication No. JP	59-121764A (M	itsubishi Denki KK), 1	3 July 19	84 (abstract o	only).	}		
	The actual patent d	ocument is liste	ed above.						
	Product Brochure, "Introduction to Expancel Microspheres," January 1997								
	Product Specification, Expancel, Inc., November 1998								
1	Rhomie L. Heck, III	, et al., Blowing	Agents, Encyclopedia	of Polyn	ner Science a	nd			
\ Engineering, Vol. 2 (John Wiley& Sons), pp. 438-445, 1985									
Technical Bulletin No. 24, "Expancel in Thermoplastics," Expancel, Inc., pgs. 2-3, undated									
Technical Bulletin No. 30, "Expancel Microspheres in Injection Moulded Shoe Soles,"									
Expancel, Inc., pgs. 2-5, undated									
		/							
	\searrow	(A)		1	17-05				
	Examiner's signature								
L. Lamper 3 Signature Da						uered			

^{*} EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

		•	·		Pa	ge <u>2</u>		of	3	
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE					IERCE	Atty. Docket No.: Appl'n			pl'n No.:	
		PATENT AND TRADEMARK OFFICE			MP1725-US2		As yet unknown			
					Į	Applicant:				
INFORMATION DISCLOSURE STATEMENT					[Mehan et al.				
		/l loo co:	voral abanta if no	veral sheets if necessary)			Filing Date:		Group:	
		(036.26)	verai sileets ii ile	ecessary)		Herew	vith As		s yet unknow	<u>ın</u>
			· U	S PATENT DOC	UMENTS	·				
* Exr.		Document number	Data				Sub		Filing date	•
initial		4,685,683	Date 08/1987	Nar Hall e		Class class a		appropriat	<u>e)</u>	
7	\sim	4,687,965	08/1987	Sander			1			
	1	4,888,519	12/1989			313	318	1		
	- 	4,963,698	10/1990	Bor	<u> </u>	313	318			
	+		1_	Chang		174	. 77 R			
	.]	4,963,785	10/1990	Takagi		313	318			
		4,965,410	10/1990	Spec		174	78			
	-	4,988,912	01/1991	Bor		313	318			
		4,990,821	02/1991	Blaisde		313	112			
	_	5,008,587	04/1991	Borg	gis	313	318			
)	5,160,465	11/1992	Soder		264	46.5			
	/	т — — — — — — — — — — — — — — — — — — —	FORI	EIGN PATENT D	OCUMENTS					
	* Exr. initial	Document number	Date		-4		Sub-		Translatio	
-/	7	923,402	04/1963	Cour Great B		Class	class	<u>:</u>	enclosed (<u>?) </u>
+	7	936,481	09/1963	Great E		<u> </u>	1	\dashv	No No	
-	+	1,012,108	12/1965	Great E		 	 /-	\dashv	No	
-	+	1,060,297	03/1967					\rightarrow	No	
		1,139,266	01/1969	Great Britain Great Britain		 		\dashv	No	
	+	WO 97/47681	12/1997	Interna				\dashv	No	
—	+					ļ	/	\perp	Yes	
	<u> </u>	WO 98/28359 07/1998 International 53-135190 11/1978 Japan						Yes		
									No	
	┧	59-121764 07/1984 Japan					\perp	Yes		
		3-112034 05/1991 Japan						No		
		9[1997]-100447		Japa					Yes	
		63[1988]-55847		Japa	an				Yes	
		10[1998]-40876		Japa	an			\top	Yes	
C		56[1981]-9932	01/1981	Japa	an	/		十	Yes	
		56[1981]-9931	01/1981	Japa				丁	Yes	
	<u></u>	OTHER DO	OCUMENTS (Inc	luding Author, T	itle, Date, Pér	tinent Page	s, etc.)			
Exr. initial		Details of Document						Translation enclosed (?		
								十		\dashv
1										
			Vin	ļ	/:	-7-00				
l		Examin	er/s signature		11	Date cons	idered			

Date considered

^{*} EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

				•	age			
FORM PT	O-1449	U.S. DEPARTME	NT OF COM	MERCE	Atty Docker	t No : TA	nolo No	
			PATENT AND TRADEMARK OFFICE		Atty. Docket No.: MP1725-US2		Appl'n No.: As yet unknown	
					100	nt:		
	INFORMATIO	N DISCLOSURE	STATEMENT			Mehan e	t al.	
(Use several sheets if necessary)					Filing Da	Group:		
<u> </u>	(Use se	verai sneets ir nec	essary)		Herewi	th	As yet unknown	
		US	PATENT DO	CUMENTS				
* Exr. initial	Document	number Date Name			<u> </u>	Sub-	Filing date (if	
	5,212,208	05/1993	Soderberg		Class 521	class 96	appropriate)	
	5,242,750	09/1993	Wagner et al.		428	316.6		
	5,252,622	10/1993				65	 	
	5,287,894	02/1994		ima et al.	138			
	5,312,872	05/1994		rg et al.	525	140		
	5,322,972	06/1994		et al.	174	324		
	5,373,027	12/1994		y et al.	521	88 R		
	5,385,951	01/1995		rberg		84.1		
	5,407,965	04/1995		•	521	98		
	5,772,310	06/1998	Park et al.		. 521	81		
	5,791,927	08/1998	Cserteg et al.		362	225		
	5,931,474	08/1999	lannone		439	280		
	5,979,902		Chang et al.		277	316		
	6,011,351	11/1999		et al.	277	316		
		01/2000		emm	313	493		
	6,103,152	08/2000	Gehise		264	45.4		
	6,107,574	08/2000	Chang		174	77 R		
	6,114,004	09/2000	Cydzik et al.		428	81		
	6,118,076	09/2000	Damm et al.		174	77 R		
\sim 1	6,169,138 B1	01/2001	Petit et al.		524	500		
	6,398,900	06/2002	Hieda et al.		156	245		
* Exr.		FOREI	GN PATENT D	OCUMENTS				
initial	Document number	Date	Cou	ntry	Class	Sub- class	Translation enclosed (?)	
					+		·	
	OTHER DO	CLIMENTS (Inclu	din - A . Ab					
Exr.	OTTLK DC	CUMENTS (Inclu	iding Author,	itle, Date, Pe	rtinent Pages	s, etc.)		
initial		Translation enclosed (?)						
		criciosed (!)						
							L	
	^	Yao		7	1-7-05			
Examiner's signature				•	Date consid			
				1010U	1			

^{*} EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.